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UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES DIVISION, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 07/19/2004

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SATO, KAZUNORI

DOC DATE: 07/13/2004

ASSIGNOR:

KONDO, AKIHIRO

DOC DATE: 07/13/2004

ASSIGNOR:

TANAKA, YUSUKE

DOC DATE: 07/13/2004

ASSIGNEE:

MITSUBISHI MATERIALS KOBE TOOLS
CORPORATION
179-1, NISHIOIKE, KANAGASAKI,
UOZUMICHO
AKASHI-SHI, HYOGO-KEN, JAPAN

ASSIGNEE:

 MITSUBISHI MATERIALS CORPORATION
 5-1, OTEMACHI 1-CHOME
 CHIYODA-KU, TOKYO, JAPAN

SERIAL NUMBER: 10501805

FILING DATE: 07/19/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: SURFACE-COATED CUTTING TOOL MEMBER HAVING HARD COATING LAYER
EXHIBITING SUPERIOR WEAR RESISTANCE DURING HIGH SPEED CUTTING
OPERATION AND METHOD FOR FORMING HARD COATING LAYER ON SURFACE OF
CUTTING TOOL

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

ASSIGNMENT

I/We, the inventor(s) named below [hereinafter referred to as the Assignor(s)], have made an invention entitled:
SURFACE-COATED CUTTING TOOL MEMBER HAVING HARD COATING LAYER
EXHIBITING SUPERIOR WEAR RESISTANCE DURING HIGH SPEED CUTTING
OPERATION AND METHOD FOR FORMING HARD COATING LAYER ON SURFACE
OF CUTTING TOOL

for which application for Letters Patent of the United States was executed on July 13, 2004
herewith unless otherwise indicated below:
filed on _____, Serial No. _____, and

(Full Name, Address, and Nationality of Assignee(s))

(1) MITSUBISHI MATERIALS KOBE TOOLS CORPORATION of 179-1, Nishioike, Kanagasaki, Uozumicho, Akashi-shi, Hyogo-ken, Japan; and (2) MITSUBISHI MATERIALS CORPORATION of 5-1, Otemachi 1-chome, Chiyoda-ku, Tokyo, Japan

[hereinafter referred to as the Assignee(s)], is/are desirous of securing the entire right, title, and interest in and to this invention, the application for United States Patent for this invention, and the Letters Patent to be issued upon this application;

Now, therefore, be it known that, for good and valuable consideration, the receipt of which from the Assignee(s) is hereby acknowledged, I/we, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee(s), its/their lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention in the name of the Assignee(s), its/their successors and assigns, in accordance with the terms of this assignment;

And I/we hereby further covenant and agree that I/we will, without further consideration, communicate with the Assignee(s), its/their successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful documents when called upon to do so, execute and deliver all documents that may be necessary or desirable to perfect the title to this invention in the name of the Assignee(s), its/their successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid the Assignee(s) and its/their successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such documents shall be borne by the Assignee(s), its/their successors and assigns.

Full name of (check one) ☐ Sole or ☒ First Assignor

Signature K. Sato Date July 13, 2004

Type Kazunori SATO Citizenship Japan

Full name of Second Assignor, if any

Signature A. Kondo Date July 13, 2004

Type Akihiro KONDO Citizenship Japan

Full name of Third Assignor, if any

Signature Yusuke Tanaka Date July 13, 2004

Type Yusuke TANAKA Citizenship Japan

Full name of Fourth Assignor, if any

Signature _____ Date _____

Type _____ Citizenship _____

Full name of Fifth Assignor, if any

Signature _____ Date _____

Type _____ Citizenship _____



UNITED STATES PATENT AND TRADEMARK OFFICE

09852/0202258-USO

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 17, 2006

PTAS

JOSEPH R. ROBINSON
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CORRECTED
NOTICE

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 12/22/2004

REEL/FRAME: 016720/0370
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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 09852/0202258-USO

ASSIGNOR:
TAKAOKA, HIDEMITSU

DOC DATE: 12/19/2004

ASSIGNOR:
NAKAMURA, EIJI

DOC DATE: 12/19/2004

ASSIGNEE:
MITSUBISHI MATERIALS CORPORATION
5-1, OTEMACHI 1-CHOME
CHIYODA-KU, TOKYO, JAPAN

ASSIGNEE:
MITSUBISHI MATERIALS KOBE TOOLS
CORPORATION
179-1, NISHIOIKE, KANAGASAKI,
UOZUMICHO
AKASHI-SHI, HYOGO-KEN, JAPAN

016720/0370 PAGE 2

SERIAL NUMBER: 10519794

PATENT NUMBER:

TITLE: COATED CUTTING TOOL MEMBER

FILING DATE: 12/22/2004

ISSUE DATE:

DOROTHY RILEY, PARALEGAL
ASSIGNMENT SERVICES BRANCH
PUBLIC RECORDS DIVISION



Attorney Docket No.: 09852/0202258-450

ASSIGNMENT

I, Hidemitsu TAKAOKA, a citizen of Japan, residing at
Naka-gun; JAPAN; and

I, Eiji NAKAMURA, a citizen of Japan, residing at
Naka-gun; JAPAN; and

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

(1) MITSUBISHI MATERIALS CORPORATION; and

(2) MITSUBISHI MATERIALS KOBE TOOLS CORPORATION

a corporation organized under the laws of Japan, located at (1) 5-1, Otemachi 1-chome, Chiyoda-ku, Tokyo, Japan; and (2) 179-1, Nishioike, Kanagasaki, Uozumicho, Akashi-shi, Hyogo-ken, Japan (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **in and for the United States of America only** in and to my Invention entitled:

COATED CUTTING TOOL MEMBER

invented by me and described in the specification bearing the above Attorney Docket No. and title executed by me concurrently herewith; and Patent Application No. _____, filed on _____, in Japan and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not be made;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: December 19, 2004

Hidemitsu Takaoka
Hidemitsu TAKAOKA, Inventor

Dated: December 19, 2004

Eiji Nakamura
Eiji NAKAMURA, Inventor